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SAM ACTIVITY NEAR SHCHERBAKOV AND YAROSLAVL, USSR

KEYHOLE photography of [REDACTED] reveals the existence of surface-to-air missile (SAM) activity in the Shcherbakov-Yaroslavl area. Two SA-2 SAM launch sites have been identified in this area, one each positioned for defense of the Shcherbakov and Yaroslavl complexes. Existence of other SAM activity in this region could not be determined due to scattered-to-heavy clouds and cloud shadows.

Shcherbakov (58-02-52N 38-50-45E)

Shcherbakov is important as the location of one of the largest aircraft engine plants in the USSR. The Shcherbakov Hydroelectric Power Plant is a major source of electric power for the Central Industrial Region.

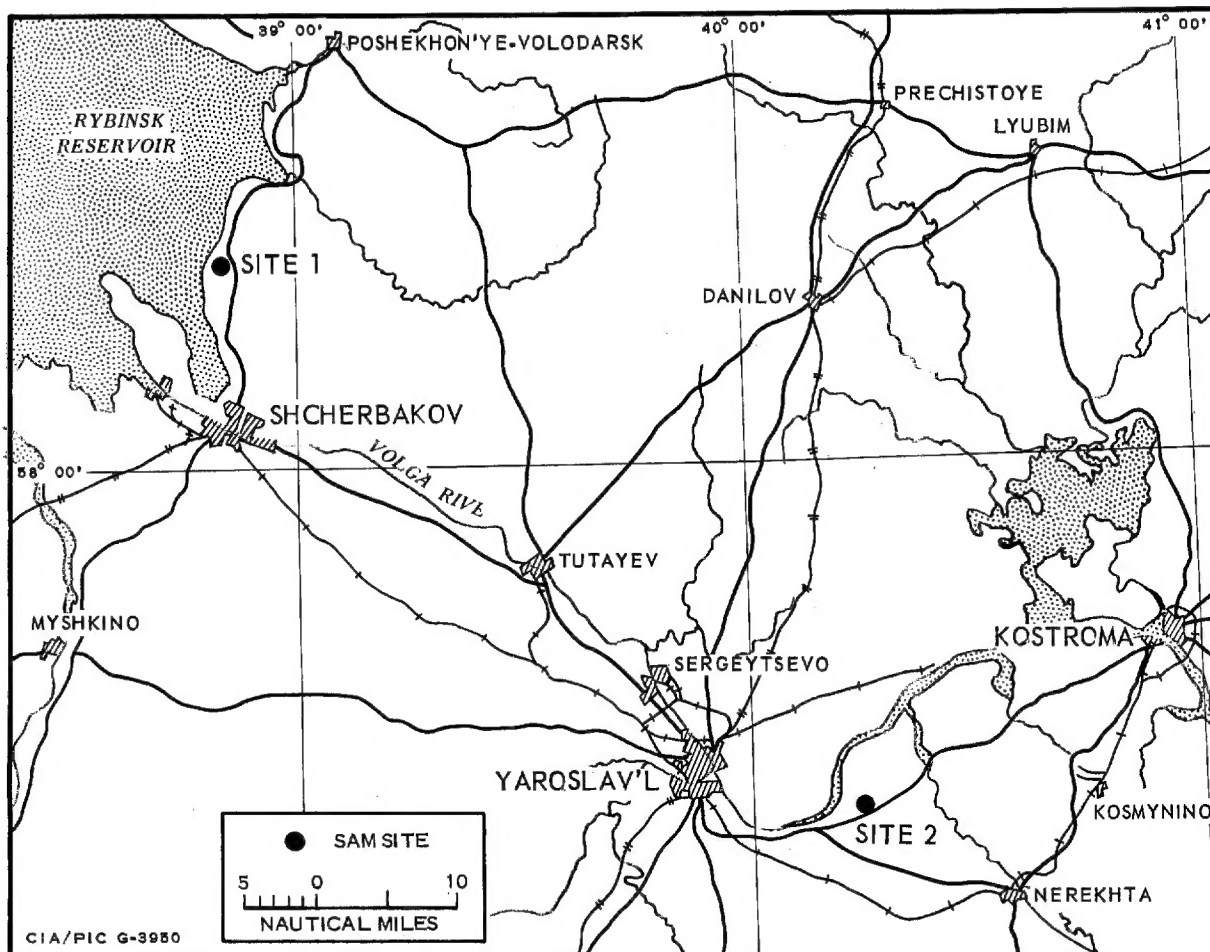


FIGURE 1. LOCATION OF SAM LAUNCH SITES NEAR SHCHERBAKOV, AND YAROSLAVL, USSR.

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The Shcherbakov complex is on the banks of the Volga River at the point where the Volga and Sheksna rivers are dammed to form the Rybinsk Reservoir.

Yaroslavl (57-36-50N 39-51-40E)

Yaroslavl is one of the principal industrial and transportation centers of north-central European USSR. The city is one of the foremost producers of heavy trucks and fabricated rubber products in the USSR. Located at the intersection of the Volga River and the Moscow-Arkhangelsk freight rail line, Yaroslavl is an important river-rail transshipment point.

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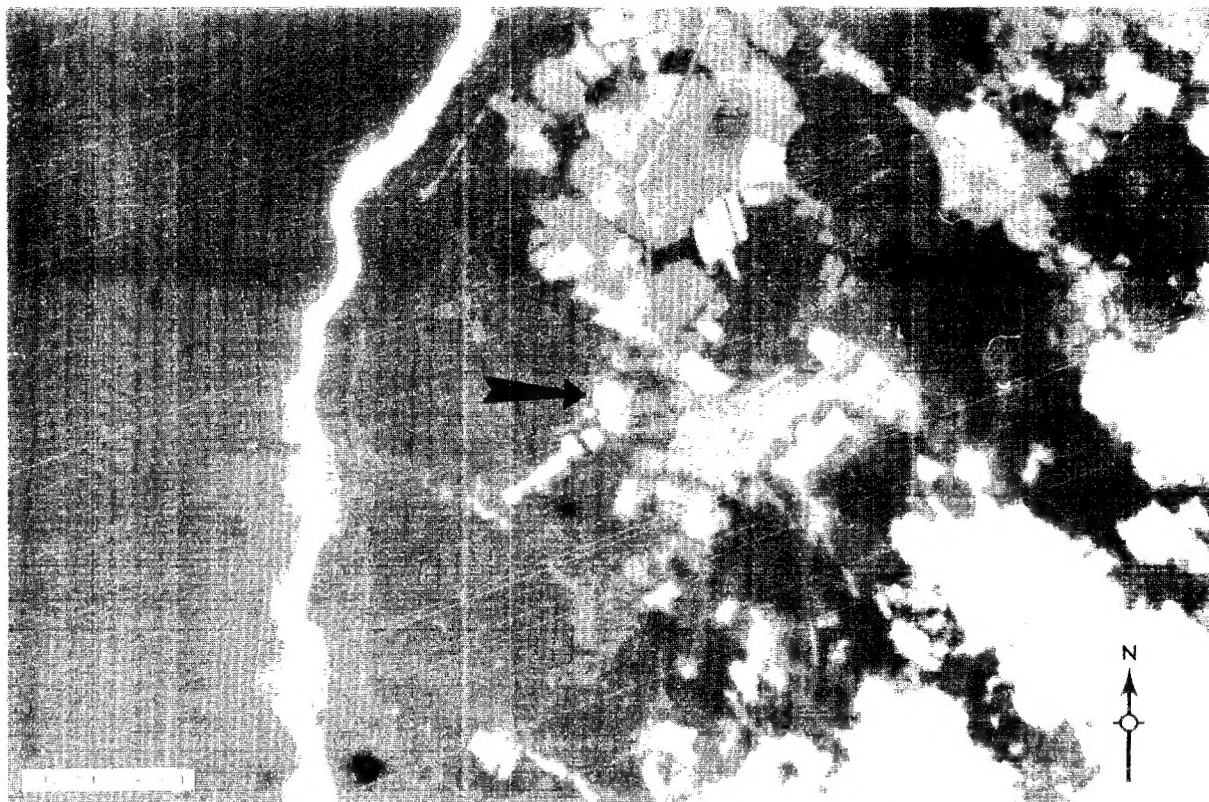


FIGURE 2. SAM LAUNCH SITE NEAR SHCHERBAKOV (see Fig 1, item 1)

Coordinates: 58-15N 38-51E.

Reference Point (RP): Shcherbakov Railroad Station, Yards, and Shops, Main, [REDACTED] 58-02-32N 38-49-35E.

Location: In a wooded area on the east bank of the Rybinsk Reservoir, 12 nautical miles (nm) north of RP.

Remarks: The site appears complete and is probably operational. A circular road and a system of loop roads serve the six launch revetments and at least two missile-hold revetments. The guidance revetment is at the center of the operations area. A group of structures just south of the operations area is probably the support area for the site. No security fencing is discernible. Haze precludes further interpretation.

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FIGURE 3. SAM LAUNCH SITE NEAR YAROSLAVL (see Fig 1, item 2)

Coordinates: 57-34N 40-15E.

Reference Point (RP): Yaroslavl Railroad Station, Yards, and Shops, West,
[REDACTED] 57-37-38N 39-50-00E.

Location: Approximately 3 nm east of Yaroslavl; Tunoshnoye Airfield and
14 nm east-southeast of RP.

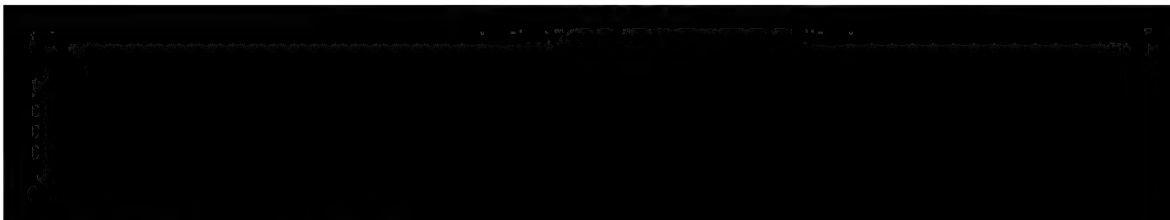
Remarks: The site appears complete and is probably operational. A circular road, a network of loop roads, and three missile hold revetments are discernible. A probable support area for the site adjoins the operations area on the north. Further interpretation is precluded by the poor quality of the photography in the area of the site.

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MAPS AND CHARTS

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SAM ACTIVITY NEAR SHCHERBAKOV AND YAROSLAVL, USSR



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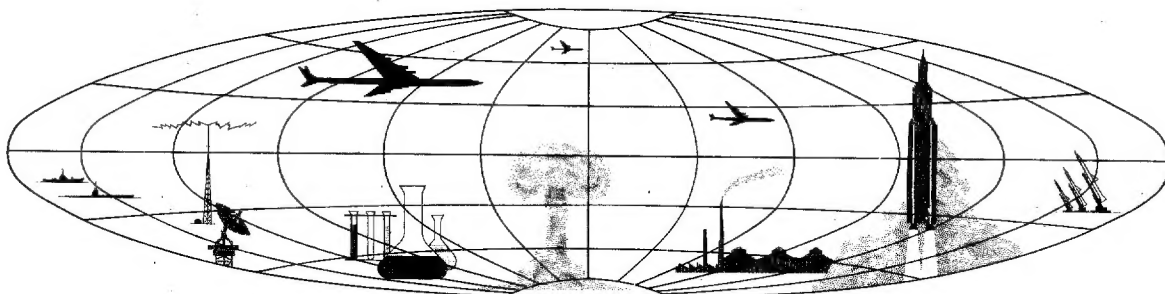
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